

ABSTRACT OF THE DISCLOSURE

A system for testing a software build is presented. A current software build is compared to a reference software build, typically a known, previous build. The comparison identifies those areas in the current software build that have changed with regard to the reference software build. The identified areas are used by a coverage analysis process to determine a focused test suite to test the modified areas of the current build. The test coverage analysis uses information in a master test suite to determine the focused test suite. The focused test suite is used by a test process to test the modified areas of the current software build. The coverage analysis process may also identify those areas of the current software build that cannot be tested using the tests in the master test suite. A report is generated identifying those areas that are not covered by the focused test suite.